



Figure 1

Ad-lookup Table 83

130 ✓

ZIP-AD LOOKUP

ZIP	AD ID
10001	A
10027	B
10027	A
...	...

131 132

120

POS-ZIP LOOKUP

LAT	LONG	ZIP
40.75	73.997	10001
40.813	73.9538	10027
...	...	...

121

122

123

140

AD-ID-FILE LOOKUP

ID	File
A	...
B	...
...	...

141

142

Figure 2